



Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. <b>20366-044US1</b>	Application No. <b>10/530,000</b>
		Applicant <b>Kavanaugh, et al.</b>	
		Filing Date <b>March 31, 2005</b>	Group Art Unit

**Information Disclosure Statement  
by Applicant**  
(Use several sheets if necessary)

(37 CFR §1.98(b))

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	US- 4,551,482	11-05-1985	Tschang, et al.			
	AB	US- 4,764,369	08-16-1988	Neurath, et al.			
	AC	US- 4,820,805	04-11-1989	Neurath, et al.			
	AD	US- 5,405,770	04-11-1995	McIntosh			
	AE	US- 5,490,840	02-13-1996	Uzgiris, et al.			
	AF	US- 5,510,103	04-23-1996	Yokoyama, et al.			
	AG	US- 5,651,991	07-29-1997	Sugiyama, et al.			
	AH	US- 5,688,931	11-18-1997	Nogusa, et al.			
	AI	US-5,106,619	04-21-1992	Wieseahn, et al.			
	AJ	US-5,418,130	05-23-1995	Platz, et al.			
	AK	US- 5,714,166	02-03-1998	Tomalia, et al.			
	AL	US- 5,750,383	05-12-1998	Blissard, et al.			
	AM	US- 5,786,387	07-28-1998	Watanabe, et al.			
	AN	US- 5,855,900	01-05-1999	Nobuhiko			
	AO	US-5,858,410	01-12-1999	Muller, et al.			
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	AQ	US- 5,922,545	07-13-1999	Mattheakis, et al.			
	AR	US- 5,994,392	11-30-1999	Shashoua			
	AS	US-6,001,806	12-14-1999	Hilbert, et al.			
	AT	US- 6,106,866	08-22-2000	Ranney			
	AU	US-6,090,925	07-18-2000	Woiszwilllo, et al.			
	AV	US-6,120,787	09-19-2000	Gustafsson, et al.			
	AW	US-6,190,700	02-20-2001	Okada, et al.			
	AX	US- 6,194,192	02-27-2001	Ueno, et al.			
	AY	US-6,200,959	03-13-2001	Haynes, et al.			
	AZ	US-6,221,958	04-24-2001	Shalaby, et al.			
	AAA	US-6,238,704	05-29-2001	Suzuki, et al.			

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U.S. Patent Documents							
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	ABB	US-6,238,705	05-29-2001	Liu, et al.			
	ACC	US-6,245,740	06-12-2001	Goldenberg, et al.			
	ADD	US- 6,248,514	06-19-2001	Hutchins, et al.			
	AEE	US-6,262,127	07-17-2001	Acemoglu, et al.			
	AFF	US-6,267,981	07-31-2001	Okamoto, et al.			
	AGG	US-6,287,587	09-11-2001	Shigeyuki, et al.			
	AHH	US-6,296,842	10-02-2001	Jaworowicz, et al.			
	AII	US-6,312,713	11-06-2001	Korol, et al.			
	AJJ	US-6,335,035	01-01-2002	Drizen, et al.			
	AKK	US- 6,379,958	04-30-2002	Vaughn, et al.			
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Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	ANN	WO 90/14837	12-13-90	WIPO				
	AOO	WO 92/19265	11-12-92	WIPO				
	APP	WO 93/13202	07-08-93	WIPO				
	AQQ	WO 98/50091	11-12-98	WIPO				
	ARR	WO 99/30739	06-24-99	WIPO			X (Abstract)	
	ASS	WO 00/38706	07-06-00	WIPO				
	ATT	WO 02/06305	01-24-02	WIPO			X (Abstract)	
	AUU	WO 03/24480	03-27-03	WIPO				
	AVV	WO 03/24481	03-27-03	WIPO				

Other Documents (include Author, Title, Date, and Place of Publication)		
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	AXX	AUSUBEL (ed.), <i>Short Protocols in Molecular Biology</i> , 3 <sup>rd</sup> ed. (New York: Wiley, 1995).*
	AYY	BAGGIOLINI, et al., "Human Chemokines: An Update," <i>Annu Rev Immunol</i> (1997) 15:675-705.
	AZZ	BERKOW, et al., <i>The Merck Manual of Medical Information</i> , Home ed. (Merck Research Laboratories, Whitehouse Station, New Jersey, 1997).*
	AAAA	BODANSZKY, <i>Principles of Peptide Synthesis</i> , 2 <sup>nd</sup> rev. (Berlin: Springer-Verlag).*
	ABBB	BOYCE & BUCHER, "Baculovirus-mediated gene transfer into mammalian cells," <i>Proc Natl Acad Sci USA</i> (1996) 93:2348-52.
	ACCC	BRONTE, "Genetic Vaccination for the Active Immunotherapy of Cancer," <i>Curr Gene Ther</i> (2001) 1:53-100.
	ADDD	CARBONELL, et al., "Baculovirus-Mediated Expression of Bacterial Genes in Drosophila and Mammalian Cells," <i>J. Virol</i> (1985) 56:153-60.
	ABEE	CARBONELL & MILLER, "Baculovirus Interaction with Nontarget Organisms: A Virus-Borne Reporter Gene Is Not Expressed in two Mammalian Cell Lines," <i>Appl Environ Microbiol</i> (1987) 53:1412-7.
	AFFF	COTTEN, et al., "High-efficiency receptor-mediated delivery of small and large (48 kilobase gene constructs) using the endosome-disruption activity of defective or chemically inactivated adenovirus particles," <i>Proc Natl Acad Sci USA</i> (1992) 89:6094-8.
	AGGG	DAVIS, et al., "CpG DNA is a Potent Enhancer of Specific Immunity in Mice Immunized with Recombinant Hepatitis B Surface Antigen," <i>J. Immunol</i> (1998) 160:870-876.
	AHHH	EBADI, <i>CRC Desk Reference of Clinical Pharmacology</i> (CRC Press, Boca Raton, Florida, 1998).*
	AIII	FEARON, "Seeking wisdom in innate immunity," <i>Nature</i> (1997) 388:323-324.
	AJJJ	FEARON & LOCKSLEY, "The Instructive Role of Innate Immunity in the Acquired Immune Response," <i>Science</i> (1996) 272:50-54.
	AKKK	FEHNIGER, TA., et al., "Interleukin-2 and interleukin-15: immunotherapy for cancer," <i>Cytokine Growth Factor Rev</i> (2002) 13:169-83.
	ALLL	FIELDS, B., et al., <i>Virology</i> , Vol. 1, 3 <sup>rd</sup> ed. (Philadelphia, PA: Lippincott-Rave Publishers, 1996).*
	AMMM	GERBER, et al., "Human Papillomavirus Virus-Like Particles are Efficient Oral Immunogens When Coadministered with Escherichia Coli Heat-Labile Enterotoxin Mutant R192G or CpG," <i>Journal of Virology</i> (2001) 75(10):4752-4760.
	ANNN	GLOVER & HAMES, "DNA Cloning: A Practical Approach," 2 <sup>nd</sup> ed. (Oxford/New York: IRL Press at Oxford University Press, 1995).*
	AOOO	GLUCK, et al., "New Technology Platforms in the Development of Vaccines for the Future," <i>Vaccine</i> (2002) 20:B10-B16.
	APPP	GOODMAN, et al., <i>Goodman &amp; Gilman's the Pharmacological Basis of Therapeutics</i> , 9 <sup>th</sup> ed. (New York: McGraw-Hill Health Professions Division, 1996).*
	AQQQ	GRONER, et al., "Interaction of Autographa californica nuclear polyhedrosis virus with two nonpermissive cell lines," <i>Intervirology</i> (1984) 21:203-9.
	ARRR	GRONOWSKI, AM, et al., "Baculovirus stimulates antiviral effects in mammalian cells," <i>J. Virology</i> (Dec. 1999) 73(12): 9944-51.
	ASSS	HENZLER & KAISER, "Avoiding viral contamination in biotechnological and pharmaceutical processes," <i>Nat Biotechnol</i> (1998) 16:1077-79.
	ATTT	HOFMANN, C., et al., "Efficient gene transfer into human hepatocytes by baculovirus vectors," <i>Proc. Natl Acad Sci USA</i> (1995) 92:10099-103.
	AUUU	HOMEY, et al., "Chemokines: agents for the immunotherapy of cancer," <i>Nat Rev Immunol</i> (2002) 2:175-84.
	AVVV	HWANG, et al., "The solution structure of a psoralen cross-linked DNA duplex by NMR and relaxation matrix refinement," <i>Biochem Biophys Res Commun</i> (1996) 219:191-7.
	AWWW	JANEWAY, CA, Jr., <i>Approaching the Asymptote? Evolution and Revolution in Immunology</i> , <i>Cold Spring Harb Symp Quant Biol</i> (1989) 54:1-13.

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Other Documents (include Author, Title, Date, and Place of Publication)		
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	AXXX	JIN, et al., "The LEF-4 Subunit of Baculovirus RNA Polymerase Has RNA 5'-Triphosphatase and ATPase Activities," <i>Journal of Virology</i> (1998) 72:10011-10019.
	AYYY	JUNG & LITTMAN, "Chemokine receptors in lymphoid organ homeostasis," <i>Curr Opin Immunol</i> (1999) 11:319-25.
	AZZZ	KATZUNG, Basic & Clinical Pharmacology, 8 <sup>th</sup> ed., (Lange Medical Books/McGraw-Hill Medical Pub. Division, New York, 2001). *
	AAAAA	KING & POSSEE, The Baculovirus Expression System: A Laboratory Manual (London: Chapman & Hall, 1992). *
	ABBBB	KOOL, M. & VLAK, JM, "The structural and functional organization of the Autographa californica nuclear polyhedrosis virus genome," <i>Arch Virol</i> 130:1-16.
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	ADDDD	LENS, et al., "Papillomavirus-Like Particles Induce Acute Activation of Dendritic Cells," <i>Journal of Immunology</i> (2001) 5346-5355.
	AEEEE	MANOME, et al., "Enhancer sequences of the DF3 gene regulate expression of the herpes simplex virus thymidine kinase gene and confer sensitivity of human breast cancer cells to ganciclovir," <i>Cancer Res</i> (1994) 54:5408-13.
	AFFFF	MAMOUNE A., et al. "Calpain-2 as a target for limiting prostate cancer invasion," <i>Cancer Res.</i> (2003) Aug 1. 63(15): 4632-40.
	AGGGG	MARX, G., et al., "Protecting fibrinogen with rutin during UVC irradiation for viral inactivation," <i>Photochem Photobiol</i> (1996) 63:541-6.
	AHHHH	MCINTOSH, AH, "Biological studies of a baculovirus in a mammalian cell line," <i>Intervirology</i> (1980) 13:331-41.
	AIIII	MCLACHLIN, JR, et al., "A baculovirus mutant defective in P18P, a protein which interacts with a virus-encoded protein kinase," <i>Virology</i> (1998) 246:379-391.
	AJJJJ	NIKURA, et al., "Chimeric Recombinant Hepatitis E Virus-Like Particles as an Oral Vaccine Vehicle Presenting Foreign Epitopes," <i>Virology</i> (2002) 293:273-280.
	AKKKK	PARMIANI, G. et al., "Cancer immunotherapy with peptide-based vaccines: what have we achieved? Where are we going?" <i>J. Natl. Cancer Inst.</i> (2002) 94:805-18.
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	ANNNN	PEARSON, MN, et al., "P39, a major baculovirus structural protein: immunocytochemical characterization and genetic location," <i>Virology</i> (1988) 167:407-13.
	AOOOO	PINTO, et al., "Cellular Immune Responses to Human Papillomavirus (HPV)-16 L1 Healthy Volunteers Immunized with Recombinant HPV-16 L1 Virus-Like Particles," <i>Journal of Infectious Diseases</i> (2003) 188:327-338.
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	ARRRR	ROHMANN, GF, et al., "Baculovirus structural proteins," <i>J. Gen Virol</i> (1992) 73 (Pt. 4):743-61.
	ASSSS	ROMAGNANI, S., "Induction of Th1 and Th2 Responses: a key role for the 'natural' immune response?" <i>Immunol Today</i> (1992) 13:379-381.
	ATTTT	SALTZMAN, WM, "Polymeric implants for cancer chemotherapy," <i>Adv Drug Deliv Rev</i> , (1997) 26:209-30.
	AUUUU	SCHNEIDER, CH, et al., Peptides, 1992: Proceedings of the Twenty-Second European Peptide Symposium, September 13-19, 1992 Interlaken, Switzerland, Escom, Leiden.
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	AWWWW	SCHROEDER & LUBKE, The Peptides (New York: Academic Press, 1965). *
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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /MM/

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	AYYYY	SILHAVY, TJ, et al., Experiments with Gene Fusions. (New York: Cold Spring Harbor Laboratory, Cold Spring Harbor, 1984).*
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	AAAAAA	ST-CLAIR, N., et al., "Cross-linked protein crystals for vaccine delivery," <i>Applied Biol. Sci.</i> (1998) 96:9469-9474.
	ABBBBB	SUMMERS, MD, et al., "Baculovirus structural polypeptides," <i>Virology</i> (1978) 84:390-402.
	ACCCCC	THIEM, SM, et al., "Identification, sequence and transcriptional mapping of the major capsid protein gene of the baculovirus <i>Autographa californica</i> nuclear polyhedrosis virus," <i>J. Virol</i> (1989) 63:2008-18.
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	AEEEEEE	TWEETEN, K., et al., "Characterization of an extremely basic protein derived from granulosis virus nucleocapsids," <i>J. Virol</i> (1980) 33:866-876.
	AFFFFF	VIALARD, JE, et al., "The 1,629-nucleotide open reading frame located downstream of the <i>Autographa californica</i> nuclear polyhedrosis virus polyhedron gene encodes a nucleocapsid-associated phosphoprotein," <i>Virol</i> (1993) 67:5859-66.
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	AHHHHH	WILSON, ME, et al., "Location, transcription and sequence of a baculovirus gene encoding a small arginine-rich polypeptide," <i>J. Virol</i> (1987) 61:661-6.
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/MM/	AJJJJJ	International Search Report from International Application No. PCT/US2003/031320, published as WO 2004/030631 dated 6 Aug 2004.

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